

<110> Hansen, J. Norman

<120> Construction and Screening of Lantibody Display Libraries

<130> 108172-00056

<150> 60/215,449

<151> 2000-06-29

<160> 3

<170> PatentIn version 3.1

<210> 1

<211> 2517

<212> DNA

<213> Artificial Sequence

<220>

<223> The EcoRI-HindIII insert of the pLPVc intergrative plasmid.

<400> 1

gaattccggc tctaaagcga ttctgagagc agtttcttat acaccaggcag gaactgcact 60

tcaacgagct ggattaacag gtgggcataa gagtaagat aaatttaaac ttatataaca 120

catcgcttaa agtttttttg tttaaaaaac ttaaaaaaca tggtaaaatt atataaaaac 180

ataagaaaga gtgattatat ggaatatgta gttatgataa tcattttattt agcactttc 240

tttattttta ctgtttccct aaatacacgt tatagttttg atgaaaaatg cttagtccta 300

aaatttggtt tatctaaaac agaaaattcca attaatcaaa tagtttagtat taaaagagtca 360

gacaagtatg gagttgcaga taatatcgat tataaaattg gtatgccata tgctcaacca 420



acttttaca gtcggtttc taatgtcact aacctgcccc gtttgtgaa gaagggattc 1560  
gtgtattaca accaattctg ttattgata ggtaataaag tttttttct atgatttgc 1620  
aacaagttc cttataattt tcaaaaaaaaaa ataaaaaaaaa tggtgaatt tagatttac 1680  
ttccttata ttaaaaaatg taatccggat tgcaaacaaa tggggagggt ttacaaatgg 1740  
aaaagctatt taaagaagtt aaactcgagg aactcgaaaa ccaaaaaggt agtggattag 1800  
gaaaagctca gtgtgctcg ttgtggctac aatgtgctag tggcggtaca attgggtgt 1860  
gtggcggagc tgffgctgt caaaactatc gtcaattctg cagataaaac atttgttagag 1920  
ggaatattt aaatattccc tcataattaa agcggggatt gaaattgaat aagaaaaaga 1980  
aatatgttca tactaaacag ttaatagtc atgattgtgg actagcttgt atctcgtaa 2040  
ttttaaagtt tcataaccct aactatggaa ttgatttctt actagaccta attggggata 2100  
aggaaggcta tagttaaga gacttaattg ttattttaa gaagatgggg ataaaaacta 2160  
ggccacttga atgcaagaa aataagacat tcgaagccct aaaacaaata aagctccctt 2220  
gtatagctt gtagaaggg gaggaaatatg gacattacat aacaatatac gaaatttagaa 2280  
ataactattt acttgttagt gatcctgata aagacaaaaat aactaaaata aaaaaagagg 2340  
atttgaaag taaattcaca aactttat tagaaattga caaagagtca attcctgaaa 2400  
aagaaaaaga tcaaaaaaaaaa cattctact ttttaagga catactttt agaaataaaat 2460  
tgatcgttt tgtgattta ttgacttcct tggtcggtt gggcttgct gaagctt 2517

<210> 2

<211> 300

<212> DNA

<213> Artificial Sequence

<220>

<223> The sequence of sunA-PG20-SL gene and its corresponding peptide sequence.

<220>

<221> CDS

<222> (1)..(300)

<223>

<400> 2

atg gaa aag cta ttt aaa gaa gtt aaa ctc gag gaa ctc gaa aac caa 48

Met Glu Lys Leu Phe Lys Glu Val Lys Leu Glu Glu Leu Glu Asn Gln

1 5 10 15

aaa ggt agt gga tta gga aaa gct cag tgt gct gcg ttg tgg cta caa 96

Lys Gly Ser Gly Leu Gly Lys Ala Gln Cys Ala Ala Leu Trp Leu Gln

20 25 30

tgt gct agt ggc ggt aca att ggt tgt ggt ggc ggc gct gtc tgt 144

Cys Ala Ser Gly Gly Thr Ile Gly Cys Gly Gly Ala Val Ala Cys

35 40 45

caa aac tat cgt caa ttc tgt aga ggt ggt ggt ggg gga ggc ggg gga 192

Gln Asn Tyr Arg Gln Phe Cys Arg Gly Gly Gly Gly Gly Gly

50 55 60

ggg ggt ggt ggt gga gga ggt ggt ggt ggt ggt atg tca aag ttc 240

Gly Met Ser Lys Phe

65 70 75 80

gat gat ttc gat cta gat gtt gtg aaa gtc tct aaa caa gac tca aaa 288

Asp Asp Phe Asp Leu Asp Val Val Lys Val Ser Lys Gln Asp Ser Lys

85 90 95

atc act ccg caa 300  
Ile Thr Pro Gln  
100

<210> 3  
<211> 100  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> The peptide sequence of sunA-PG20-SL.

<400> 3

Met Glu Lys Leu Phe Lys Glu Val Lys Leu Glu Leu Glu Asn Gln  
1 5 10 15

Lys Gly Ser Gly Leu Gly Lys Ala Gln Cys Ala Ala Leu Trp Leu Gln  
20 25 30

Cys Ala Ser Gly Gly Thr Ile Gly Cys Gly Gly Ala Val Ala Cys  
35 40 45

Gln Asn Tyr Arg Gln Phe Cys Arg Gly Gly Gly Gly Gly  
50 55 60

Gly Gly Gly Gly Gly Gly Gly Gly Met Ser Lys Phe  
65 70 75 80

Asp Asp Phe Asp Leu Asp Val Val Lys Val Ser Lys Gln Asp Ser Lys  
85 90 95

Ile Thr Pro Gln

100